



Production of Turbine & Aerospace Parts

Rotor Blades

Stator Vanes

& Auxiliary Parts



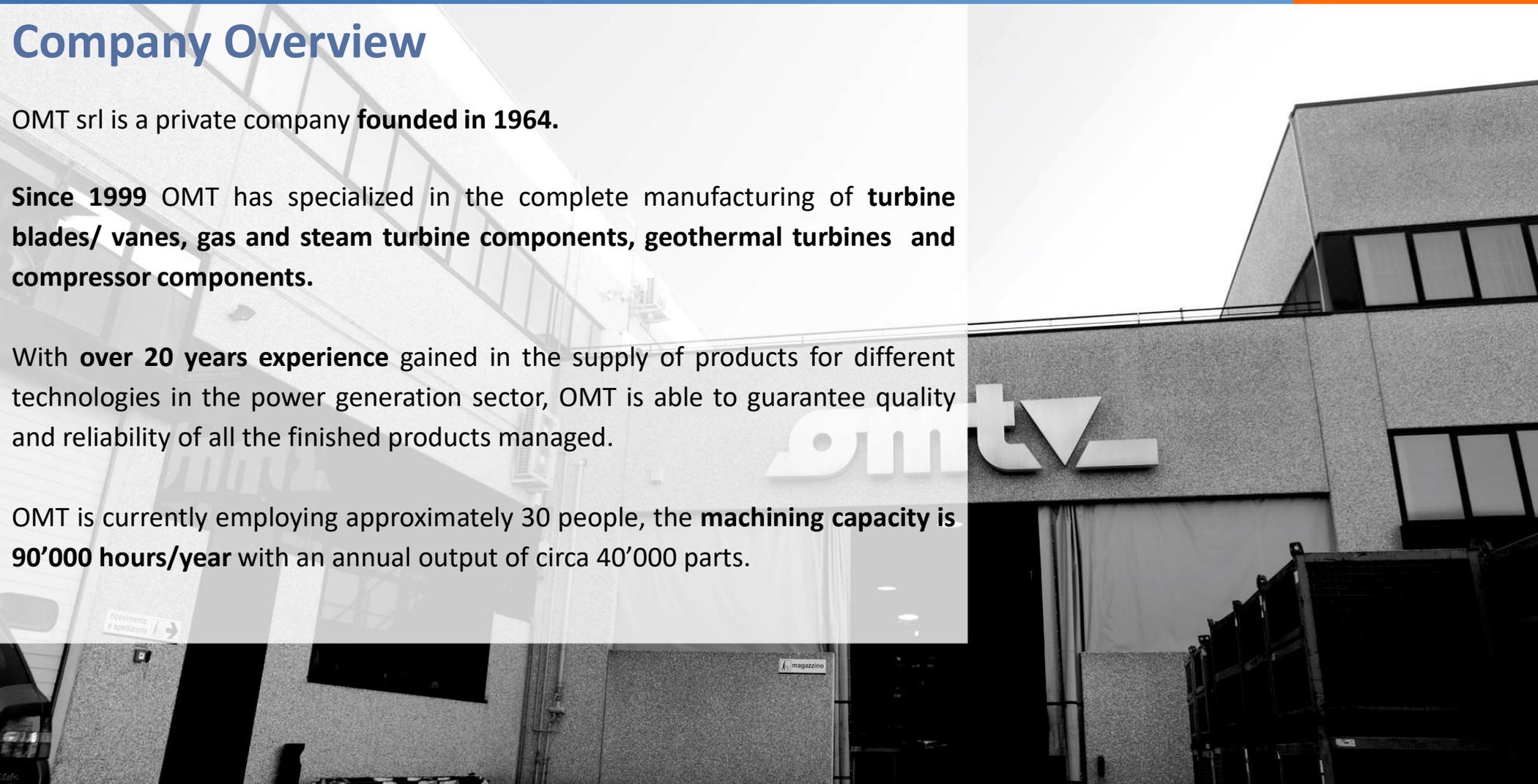
Company Overview

OMT srl is a private company **founded in 1964**.

Since **1999** OMT has specialized in the complete manufacturing of **turbine blades/ vanes, gas and steam turbine components, geothermal turbines and compressor components**.

With **over 20 years experience** gained in the supply of products for different technologies in the power generation sector, OMT is able to guarantee quality and reliability of all the finished products managed.

OMT is currently employing approximately 30 people, the **machining capacity is 90'000 hours/year** with an annual output of circa 40'000 parts.



Company Overview

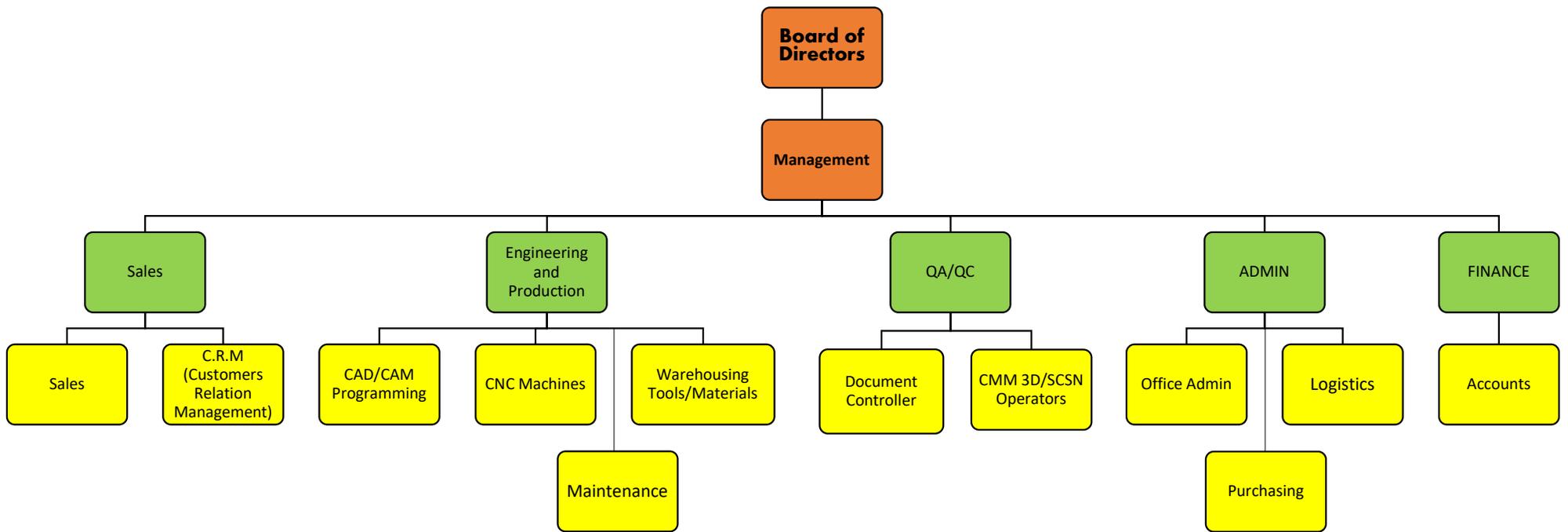
Manufacturing is supported by a continuous quality control system performed by 3D measuring equipment

The **workshop facility size is of 2'200 sqm** including technical, quality and commercial departments.

Several **new investments** have been and will be made, with the aim of **increasing OMT** not only as a **capacity**, but above all as a **technologies** that will be managed.



ORGANIZATION CHART

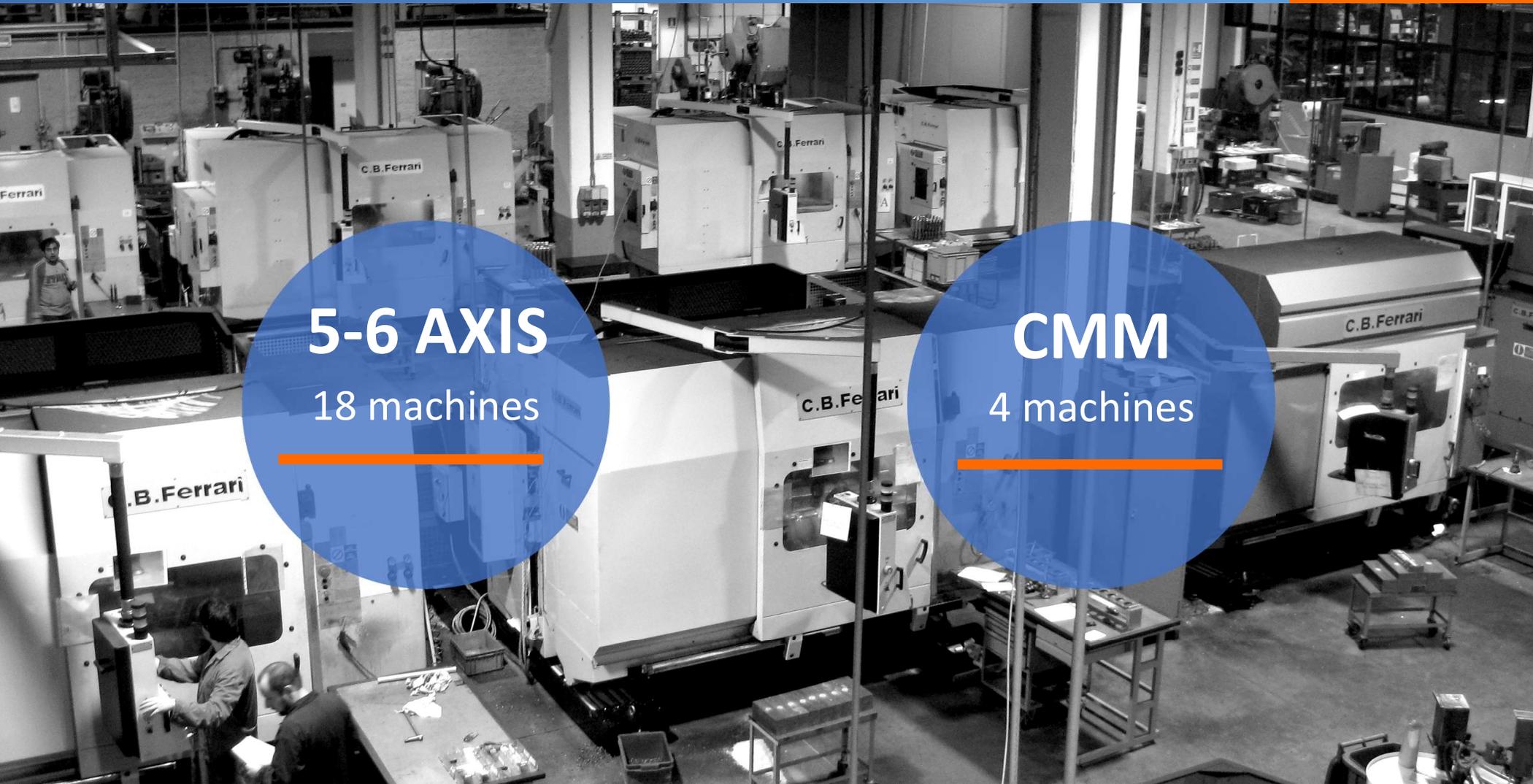




5-6 AXIS
18 machines



CMM
4 machines





5 AXIS

1 grinding machine



4-5 AXIS

3 EDM machines

Machinery fleet

The continuous investments in technological innovation allow us to create complex mechanical parts guaranteeing absolute control of the process and product.

We also own:

- An equipped area for **grinding profiles**
- **Two tumblers** suitable for surface finishes
- **A metrology room** with four CMM, DEA Brown & with three-dimensional coordinates and continuous scanning
- A NITON **spectrometer** analyzer
- A PC DMIS CMM software with “**curves and surfaces**” packages
- Mitutoyo and Tesa **digital altimeters**





Production capacity and services

Our production system is supported by a **tooling department** for the production and maintenance of the equipment and clamping tools necessary for the machining activities.

We also carry out:

- **Wire EDM**
- **Fast drilling**
- **Tumbling**
- **Polishing**
- Checks with **magnetic particles** and complete demagnetization on blades with a maximum length of 1500mm and a rope width up to 500mm
- **FPI inspection**
- **Spectrometric analysis**
- **Moment weight** and the correct **distribution** of the blades on the 360° of the rotary stage, on large blades and on blades obtained from forged material.



Production capacity and services

Otherwise we can collaborate with external qualified technicians for other kind of **non-destructive tests (such as ultrasound or RX)** or **other activities like heat treatment, local hard-face, coating or brazing operation.**

We can manage the complete supply chain, in order to reach the full customer requirements, including special activities.

We can send directly the product **ready to be assembled.**

With the expertise of our technical office, we can **support the customer** with suggestions, for example during the study for a quick **repair after a damage.**

Complete manufacturing of turbine blades/ vanes, gas and steam turbine components, geothermal turbines and compressor components.

Starting from raw material in round or square bar, in casting or in die forging, in every material used for this type of products, from aluminum for the Fan Blades to the Inconel based materials for the blades located in the hottest areas of the turbines.



Feasible lengths from 15 up to 1'500 millimeters

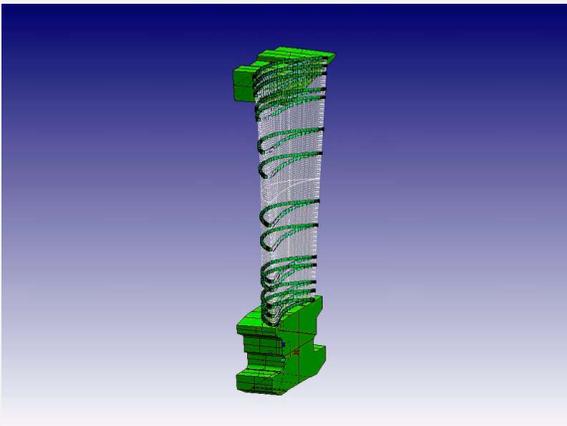
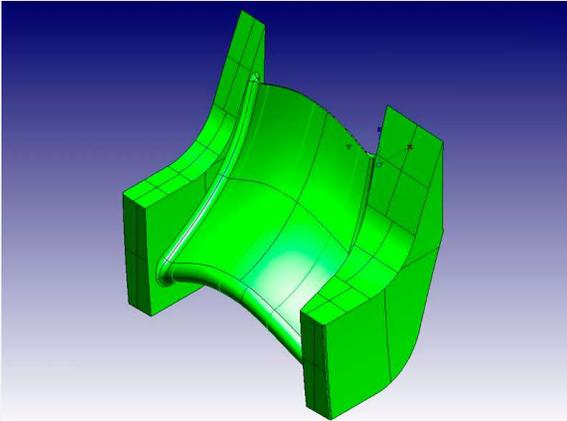
Quality and innovation

The continuous evolution of the blades profiles and the technology have led OMT to equip its metrology laboratory with four **continuous scanning** coordinate measuring machines.

In order to guarantee the high quality level of the products supplied, **all stages of the manufacturing process are dimensionally verified and certified.**

Our staff is qualified with a **2nd level license issued by CCPND.**





Technology

The design of the precision mechanical parts and toolings begins with the creation of a model by using **CAD/CAM and OPEN MIND software**.

HyperMILL CAM is used as solution for **complex machining processes**.

Continuous updates of these software are the basis for ensuring production that is always close to customer requests.



Our workflow

Request analysis

Project development

Customization

Production

Quality check

Delivery

- RFQ evaluation

- Involvement of:
- Tech Dept.
 - Sales Dept.
 - Purchasing

- Reviewed
- Negotiation
- Production verification for feasibility to meet the delivery

- Document Control
- Production updates to customer via Sales Dept.
- Procurement materials/ tools.
- CAD/CAM
- Programming
- CNC Program simulation

- Machining
- Dimensional Check with CMM
- Polishing
- Finishing
- Weight momentum (if needed).

- Final dimensional check
- N.D.T
- De magnetization
- Surface testing
- Final book preparation

- Packaging
- Delivery Documentation




CERTIFICATO N. **3189/6**
 CERTIFICATE No. _____

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
 WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

O.M.T. Officina Meccanica Tranceria S.r.l.
 UNITÀ OPERATIVA / OPERATIVE UNIT
 Via Idiomi, 3/7 - 20090 Assago (MI)
 Italia

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD
UNI EN ISO 9001:2015
 Sistema di Gestione per la Qualità / Quality Management System
 PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES
EA: 17
 Produzione di palette per turbine, su disegno del cliente.
 Attività di service (reverse engineering, riparazione, collaudo) di rotor,
 diaframmi e anelli paletti per turbine a vapore.
*Production of turbine blades according to customer drawing.
 Services (reverse engineering, repair, test) of rotors,
 diaphragms and blade carriers for steam turbines.*

Per informazioni e aggiornamenti, si prega di contattare il numero verde 800 20 20 20 o il sito internet www.icim.it

DATA EMISSIONE FIRST ISSUE 15/06/2004	EMMISSIONE CORRENTE CURRENT ISSUE 08/06/2021	DATA DI SCADENZA EXPIRING DATE 07/06/2024
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Vincenzo Delicou
 Rappresentante Direzione / Management Representative
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 Piazza Don Enrico Mattei, 75 - 20099 Sesto San Giovanni (MI)
 www.icim.it




5502 04 0004
 Member of ACCREDITED of Mutual Recognition EA, UK and SAC
 Signatory of EA, UK and SAC Mutual Recognition Agreements

**ISO 9001:2015
 EN 9100:2018**




Certificato N. **10428/0**
 Certificate No. _____

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
 WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

O.M.T. Officina Meccanica Tranceria S.r.l.
 Modello Organizzativo / Certification Structure
SITO SINGOLO / SINGLE SITE
 UNITÀ OPERATIVE / OPERATIVE UNITS
 Via Idiomi, 3/7 - 20090 Assago (MI)
 Italia

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD
EN 9100:2018
 TECNICAMENTE EQUIVALENTE A / TECHNICALLY EQUIVALENTE TO
AS 9100D -- JISQ 9100:2016
 PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES
EA: 17 - 21
 Produzione di palette per turbine e componenti
 meccanici su disegno del cliente.
*Production of turbine blades and mechanical
 components based on customer drawings.*

La valutazione è stata eseguita in accordo ai requisiti della norma UNI EN 9104-001:2013 e del Regolamento Tecnico di ACCREDITA RT-16.
 The evaluation has been performed in accordance with EN 9104-001:2013 standard and ACCREDITA Technical Regulation RT-16 requirements.

DATA EMISSIONE ISSUE DATE 08/06/2021	DATA RIEMMISSIONE REISSUE DATE 08/06/2021	DATA SCADENZA EXPIRY DATE 07/06/2024
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Certifications

OMT srl is actually **certified ISO 9001:2015 and EN 9100:2018** (Certifications for aeronautics, space and defence, maintenance and distribution in the aerospace sector)

The scope is increase of the QUALITY LEVEL of the products and the service offered

Reliability and satisfaction

Our first **goal is customer satisfaction**, which goes through a continuous exchange of information and a constant search for the highest quality in production.



Our Customers

Alstom/ General Electric

Ansaldo

Elliott Group

Man Turbo De Pretto

Fincantieri

Franco Tosi

Mitsubishi Heavy Industries

Siemens

by Service Company



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